

**Department of Pesticide Regulation**  
**New Pesticide Active Ingredients Registered in 1997**

<b>Active ingredient</b>	<b>Use</b>	<b>Notes (RR= reduced risk)</b>
2,4-DB acid	agricultural herbicide - alfalfa, soybeans	"Butoxone 7500"
2-methyl-4,5-trimethyl-ene-4-isothiazolin-3-one	industrial preservative	"Promexal X50" antimicrobial
Ammonium stearate	deer and rabbit repellent	"Hinder"
Azoxystrobin	agricultural fungicide - grapes, pecans, turf	<b>RR</b> ; "Heritage"; concurrent evaluation; 4 products
*Bacillus sphaericus, serotype H-5A5B, strain 2362	PCO use mosquito larvicide	<b>RR</b> ; "Vectolex" microbial
Bacillus subtilis GB03	manufacturing use; fungicide	<b>RR</b> ; "Kodiak"; microbial
Bacillus thuringiensis, subsp. Kurstaki, strain BMP 123	agricultural insecticide - vegetables, melons	<b>RR</b> ; "BMP 123" microbial, 2 products
Bacillus thuringiensis, subsp. Kurstaki, strain M-200	agricultural insecticide - vegetables	<b>RR</b> ; "Able"; concurrent evaluation; microbial
*Beauveria bassiana, strain GHA	agricultural insecticide - fruiting vegetables	<b>RR</b> ; "Mycotrol ES"; concurrent evaluation microbial
Benzyl benzoate	home acaricide - carpet dust mites	"Acarosan" 2 products
Boric oxide	home insecticide; ant bait	"Revenge"
Bromoxynil heptanoate	agricultural herbicide; corn	"Buctril 4 EC"
*Cinnamaldehyde	agricultural insecticide/ fungicide	<b>RR</b> ; "Cinnacure" concurrent evaluation
Clopyralid, monoethanolamine salt	noncrop herbicide - yellow star thistle	"Transline"
Clopyralid, triethanolamine salt	turf herbicide	"Confront"

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Cyprodinil	agricultural fungicide- almonds, grapes, stone fruits	<b>RR</b> ; “Vangard”; concurrent evaluation; 3 products
*Deltamethrin	agricultural, structural insecticide - cotton (whitefly), structural (termites)	“Decis” (cotton), “K-Othrine” (PCO), “Deltadust” (structural) 4 products
Difenoconazole	agricultural fungicide - wheat	“Dividend”
*Difethialone	rodenticide	“Generation”; 4 products
Dicamba, diglycolamine salt	agricultural herbicide pastures, turf	“Vanquish”
o,o-dimethyl-o-(4-nitro-m- tolyl) phosphorothioate	indoor insecticide roach bait	“Tat Roach Bait”
7A-ethyl dihydro-1H,3H,5H- oxazolo (3,4-C); Oxazole	industrial antimicrobial	Bioban CS-1246
*Fenpropathrin	agricultural insecticide greenhouse ornamentals	“Tame”
*Fipronil	home use insecticide ant and roach baits	<b>RR</b> ; “Combat,” “Maxforce” concurrent evaluation 9 products
Fludioxinil	agricultural fungicide - corn, sorghum	“Maxim”
Flutolanil	turf fungicide	“Prostar”; interim registration
German cockroach pheromone	indoor insecticide roach bait	<b>RR</b> ; “Knockdown” pheromone
*Hexythiazox	agricultural acaricide; - pears, ornamentals, non-bearing vines	“Savey,” “Hexygon” interim registration 3 products
Iron phosphate	agricultural molluscicide - snail and slug bait	<b>RR</b> ; “Neu 1165M” concurrent evaluation
*MCPA	turf herbicide	“Tri-Power”

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Montok pepper	deer repellent vegetable gardens	"Not Tonight Deer" exempt from federal registration [FIFRA 25(b)]
Polyhexamethylene biguanidine	pool and spa algicide	"Baquacil"; antimicrobial 2 products
Polyhedral occlusion bodies of the nuclear polyhedrosis virus of helicoverpa zea (corn earworm)	agricultural insecticide - corn	<b>RR</b> "Gemstar" microbial
Prallethrin	Indoor/outdoor insecticide flea dip, yard spray	"Evercide Residual"; "Flea Stop"; 4 products
*Propiconazole	agricultural fungicide - ornamentals, celery, corn fruit and nut trees	"Banner," "Tilt," "Orbit" 3 products interim registration
*Pyriproxyfen	insect growth regulator cotton, pets	"Sumilarv," "Nylar," "Knack" 8 products (1 <b>RR</b> , concurrent; waiting for U.S. EPA tolerance and registration)
*Spinosad	agricultural insecticide non-bearing fruit and nut trees, ornamentals, turf, fruiting vegetables	"Conserve," "Success" 3 products (2 concurrent) <b>RR</b> (1 waiting for U.S. EPA tolerance and registration)
Tebuconazole	agricultural fungicide; cherry, peach, seed treatment	"Elite," "Raxil" 2 products
E-11-tetradecen-1-yl acetate	Agricultural pheromone; grapes - omnivorous leaf roller	"Nomate OLR" <b>RR</b> , concurrent evaluation pheromone
Z-11-tetradecen-1-yl acetate	agricultural pheromone grapes - omnivorous leaf roller	"Nomate OLR" <b>RR</b> , concurrent evaluation pheromone
Tetrakis (hydroxy methyl) phosphonium sulfate	industrial antimicrobial	"Tolcide" antimicrobial
Thiazopyr	agricultural herbicide grapefruit, oranges	"Visor"

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*Triflusulfuron-methyl	agricultural herbicide sugarbeets	“UpBeet” (first full registration)
Zinc-2-pyridinethiol-1-oxide	industrial bactericide	“Zinc Omadine FPS” antimicrobial

\* These chemicals were also on the 1996 list of new active ingredients. They were formally noticed for registration in 1996 but not registered until 1997.